

Claims

1. An integrated device for sampling and testing an analyte comprising:
a housing;
a lancing device operatively coupled to said housing for sampling an analyte;
a test strip operatively coupled to said housing for substantially capturing at least a portion of the analyte; and
a display unit mounted to said housing for displaying a result corresponding to the captured portion of the analyte.
2. The device of claim 1, wherein the lancing device includes a cutting edge substantially aligned with said test strip.
3. The device of claim 1, wherein the lancing device is operatively coupled to said housing by a spring mechanism.
4. The device of claim 1, wherein the lancing device includes body having a first axis and a sharp mounted to the body, wherein the sharp has a second axis, said second axis being substantially perpendicular to said first axis.
5. The device of claim 1, wherein the lancing device includes a sharp, said sharp having a least two points, each configured for sampling the analyte.
6. The device of claim 1, wherein said lancing device is configured to draw the analyte through a test site of a patient by piercing the tissue thereof.
7. The device of claim 1, wherein said test strip is physically displaced relative to said housing to contact the analyte.
8. The device of claim 7, wherein a fill channel of said test strip is substantially aligned with the analyte.
9. The device of claim 1, wherein the result displayed on said display unit corresponds with a physiological property of the captured portion of the analyte.

10. The device of claim 9, wherein the physiological property of the captured portion of the analyte includes at least one of: a glucose level; a carbohydrate level; a hemoglobin level; and a glycated hemoglobin level.

11. The device of claim 1, further including a controller operatively coupled to said housing for controlling the operation of said lancing device.

12. The device of claim 1, further including a controller operatively coupled to said housing for controlling a movement of said test strip.

13. The device of claim 1, further including a controller operatively coupled to said housing for controlling the display on said display unit.

14. The device of claim 1, further including an input unit mounted to said housing for operating the lancing device.

15. A method for sampling and testing comprising:
placing an integrated sampling and testing device on a test site of a patient; and
performing a single operation of the device to sample an analyte from the test site, to perform analyte testing on the sample, and to display a result corresponding to the analyte testing.

16. The method of claim 15, wherein the performing a single operation includes depressing an input button.

17. The method of claim 15, wherein the analyte is sampled from the test site by displacing a test strip to contact the analyte.

18. The method of claim 15, wherein the analyte is sampled from the test site by piercing the test site with a lancing device, moving a test strip to the pierced test site to capture the analyte.

19. A method of integrating sampling and testing of an analyte comprising:

performing a single operation to sample an analyte, to capture said sampled analyte, to perform testing on said sampled analyte, and to display a result corresponding to the performed test.

20. The method of claim 19, wherein said analyte is blood.